## What is claimed:

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- 1. A method for screening a peptide library comprising the steps of,
  - (a) contacting the peptide library with an anti-target to allow the peptides to bind with said anti-target;
  - (b) separating unbound peptides;
  - (c) contacting the unbound peptides with a selected target to allow said unbound peptides to bind with the target to form a target-bound peptide complex;
  - (d) separating said target-bound peptide complex from peptides which do not bind to said target; and
  - (e) identifying the target-bound peptides on the target-bound peptide complex.
- 15 2. The method according to claim 1, wherein step (a), (b), (c) or (d) is repeated between 2 to 10 times.
  - 3. A method for screening a peptide library comprising the steps of,
    - (a) contacting the peptide library with a selected target and an anti-target essentially simultaneously to allow the peptides to bind with said target to form a target-bound peptide complex;
    - (b) separating the target-bound peptide complex from the anti-target, anti-target bound peptides and free peptides; and
    - (c) identifying the target-bound peptides on the target-bound peptide complex.
  - 4. The method according to claim 3, wherein said contacting step is in vivo.
  - 5. The method according to claim 3, wherein said contacting step is *in vitro*.
  - 6. The method according to claims 1 or 3, wherein the target-bound peptides bind with a selectivity corresponding to at least 10:1 and have a  $K_D$  in the range of at least about 10<sup>-7</sup> M.
- 35 7. The method according to claims 1 or 3, wherein  $k_{off}$  is about 10  $^{-4}$  sec $^{-1}$  or less.

8. The method according to claims 1 or 3, wherein the identifying step comprises amplifying a nucleic acid coding for the target-bound peptide in a polymerase chain reaction.

- 9. The method according to claim 3, wherein the target-bound peptide is not released from the target during the identifying step.
- 10. The method according to claims 1 or 3, wherein the peptides are fused to a phage10 coat protein.
  - 11. The method according to claims 1 or 3, wherein separating said target-bound peptide further includes an acid elution step.
- 15 12. The method according to claims 1 or 3, wherein the identified target-bound peptides are less than 25 amino acids in length.
- 13. The method according to claims 1 or 3, wherein the selectivity of the peptide binding affinity to the target compared to the peptide binding affinity to the anti-target is20 at least 20:1.
  - 14. The method according to claims 1 or 3, wherein the anti-target is skin or hair.
- 15. The method according to claims 1 or 3, wherein the target is a cytokine selectedfrom the group consisting of TNF and VEGF.
  - 16. The method according to claims 1 or 3, wherein the target is a stain.
- 17. The method according to claims 1 or 3, wherein the target is a cell surface30 receptor.
  - 18. The method according to claims 1 or 3, wherein the target is a hematopoietic cell.
- 19. The method according to claims 1 or 3, wherein the target is a protease enzyme35 and the anti-target is a different protease enzyme.

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- 20. A peptide identified according to the method of claims 1 or 3.
- 21. A peptide identified according to the method of claim 15, wherein said peptide has the amino acid sequence of any one sequence of SEQ ID NOS: 3 17 or 79 102, or an amino acid sequence having at least 85% sequence identity thereto.
- 22. A method for identifying peptides useful in a cleaning composition comprising the steps of,
  - (a) contacting a peptide library with an anti-target to allow said peptides to bind with the anti-target, wherein the anti-target is selected from the group consisting of fabric, ceramic, glass, stainless steel and plastic;
  - (b) separating unbound anti-target peptides;
  - (c) contacting said unbound anti-target peptides with a target, wherein the target is a stain selected from the group consisting of porphyrin derived stains, tannin derived stains, carotenoid pigment derived stains, anthocyanin pigment derived stains, soil-based stains, oil-based stains, and human body soil stains to allow said unbound peptides to bind with the stain to form a stain-bound peptide complex; and
  - (d) identifying the stain-bound peptides on the stain-bound peptide complex.
- 23. The method according to claim 22, wherein the cleaning composition is a detergent composition.
- 24. A cleaning composition comprising a peptide identified according to claim 22 andone or more surfactants.
  - 25. The method according to claim 22, wherein the fabric is selected from the group consisting of cotton, wool, silk, polyester, rayon, linen, nylon and blends thereof.
- 30 26. The method according to claim 22, wherein the stain is selected from the group consisting of blood, chlorophyll, bilirubin, tea, wine, tomato, and berries.
  - 27. A peptide identified according to the method of claim 22, wherein said peptide can bind to the target stain with a  $K_D$  in the range of about 10  $^{-7}$  M to 10  $^{-10}$  M.

28. A peptide identified according to the method of claim 22, wherein said peptide has the amino acid sequence of any one sequence of SEQ ID NOs: 18-26, or an amino acid sequence having at least 85% sequence identity to any one sequence of SEQ ID NOs: 18-26.

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29. A peptide identified according to the method of claim 22, wherein said peptide has the amino acid sequence of any one sequence of SEQ ID NOs: 50 - 63, or an amino acid sequence having at least 85% sequence identity to any one sequence of SEQ ID NOs: 50 - 63.

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30. A peptide identified according to the method of claim 22, wherein said peptide has the amino acid sequence of any one sequence of SEQ ID NOs: 64 - 77, or an amino acid sequence having at least 85% sequence identity to any one sequence of SEQ ID NOs: 64 - 77.

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31. A peptide identified according to the method of claim 22, wherein said peptide has the amino acid sequence of any one sequence of SEQ ID NOs: 29 – 49, or an amino acid sequence having at least 85% sequence identity to any one sequence of SEQ ID NOs: 29 - 49.

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32. A peptide comprising the amino acid sequence of any one sequence of SEQ ID NOs: 103 - 113, or an amino acid sequence having at least 90% sequence identity to any one sequence of SEQ ID NOs: 103 - 113.